

CLAIM AMENDMENTS

1. (Currently Amended) A method of manufacturing a rod integrator including a quadrangular prismatic light-guiding member with a rectangular cross-sectional shape, said light guiding member having a first end surface, a second end surface ~~on the opposite side of~~ said first end surface, and a first side surface, a second side surface, a third side surface, and a ~~forth~~ fourth side ~~provided~~ surface between said first and second end surfaces, said light-guiding member guiding ~~the a light~~ beam from said first end surface to said second end surface ~~while causing the beam to be reflected by~~, said first, second, third, and fourth side surfaces ~~such~~ reflecting the light beam so that the light beam is outputted output from said second end surface; and a ~~tube-shape~~ tubular body having a first end ~~portion tightly surrounding at and contacting~~ an end of said light-guiding member ~~on the side of~~ said second end surface, said ~~tube-shape~~ tubular body having a second open end portion from which the light beam is ~~outputted while causing output by reflecting the light beam from said light-guiding member to be reflected by~~ inner surfaces of said ~~tube-shape~~ tubular body, said ~~tube-shape~~ tubular body ~~being arranged~~ including, in a pinwheel shape, a first member, a second member, a third member, and a fourth member, each of which ~~is in~~ has a plate shape and ~~has~~ a mirror surface on one side, ~~said the~~ method comprising the step of:

disposing ~~one~~ a first edge of said first member flush with said first side surface of said light-guiding member, bringing the second side surface of said light-guiding member adjacent to said first side surface and into contact with the mirror surface of said first member, ~~whereby protruding the other~~ with a second edge of said first member protruding from said third side surface of said light-guiding member, opposing said first side surface;

bringing ~~one~~ a first edge of said second member into contact with ~~the~~ an inner surface of said first member protruding from said light-guiding member, and bringing the mirror surface of said second member into contact with said third side surface, opposing said first side surface, ~~whereby protruding the other~~ with a second edge of said second member protruding from the ~~forth~~ fourth side surface, opposing said second side surface of said light-guiding member;

bringing ~~one~~ a first edge of said third member into contact with ~~the~~ an inner surface of said second member protruding from said light-guiding member, and bringing the mirror surface of said third member into contact with ~~the~~ said fourth side surface, opposing said second side surface, of said light-guiding member;

bringing ~~one~~ a first edge of said fourth member into contact with ~~the~~ an inner surface of said third member protruding from said light-guiding member, and bringing the mirror surface of said fourth member into contact with said first side surface of said light-guiding member; and,

fixing said first member, said second member, said third member, and said fourth member ~~on~~ to said light-guiding member, respectively.

2. (Currently Amended) The method of manufacturing a rod integrator according to Claim 1, ~~wherein in said~~ including fixing step, said first member, said second member, said third member, and said fourth member ~~are fixed~~ on said light-guiding member using an adhesive.

3. (Currently Amended) The method of manufacturing a rod integrator according to Claim 2, wherein said adhesive is an ultraviolet-curing ~~type~~ adhesive hardening ~~by~~ upon irradiation ~~of~~ with ultraviolet light.

4. (Currently Amended) The method of manufacturing a rod integrator according to Claim 1, wherein said light-guiding member is ~~formed from~~ glass.

5. (Currently Amended) The method of manufacturing a rod integrator according to Claim 1, wherein said first member, said second member, said third member, and said forth member are ~~formed from~~ glass.

6. (Currently Amended) A rod integrator, comprising:  
a quadrangular prismatic light-guiding member with a rectangular cross-sectional shape, said light guiding member having a first end surface, a second end surface ~~on the opposite side of~~ said first end surface, and a first side surface, a second side surface, a third side surface, and a ~~forth~~ fourth side surface ~~provided between said first and second end surfaces~~, said light-guiding member guiding ~~the~~ a light beam from said first end surface to said second end surface while ~~causing reflecting the light beam to be reflected by from~~ said side surfaces ~~such so that the light beam is outputted~~ output from said second end surface, and

a ~~tube-shape~~ tubular body having a first end portion ~~tightly surrounding at and contacting~~ an end portion of said light-guiding member ~~on the side of~~ at said second end surface, said ~~tube-shape~~ tubular body having a second open end portion from which the light beam is ~~outputted~~ output ~~while causing by reflecting the light beam from said light-guiding member to be reflected by from~~ inner surfaces of said ~~tube-shape~~ tubular body, ~~and, wherein said tube-shape tubular body being is arranged, in a pinwheel shape, and including a first member, a second member, a third member, and a fourth member, each of which is in has a plate shape and has a mirror surface on one side, such that said tube-shape body having and the mirror surfaces facing inside thereof face inwardly in said tubular body.~~

7. (Currently Amended) The rod integrator according to Claim 6, wherein said light-guiding member is ~~formed from~~ glass.

8. (Currently Amended) The rod integrator according to Claim 6, wherein said first member, said second member, said third member, and said fourth member are ~~formed from~~ glass.